

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>			Atty. Docket No.	Serial No.				
			KAK-004	PCT/JP99/04084				
			Applicant					
			Hiroaki KITANO et al.					
			Filing Date December 20, 2001	Group Unassigned	2129			
U.S. PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
CFR	A1	90/115683	10/1990	WO			x	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Page, Etc.)								
CFR	A2	Tetsushi YATA et al., "Kakura Markov Model to Identeki Algorithm ni yoru NDA hairesu no Signal Pattern Chuushitsu", Vol. 37, No.6, pp.1117-1129, Transactions of Information Processing Society of Japan (IPSJ) (06/1996)						
CFR	A3	John Yen et al., "A Hybrid Approach to Modeling Metabolic Systems using a Genetic Algorithm and Simplex Method", Vol. 28, No. 2, pp.173-191, IEEE TRANSACTIONS ON SYSTEMS, MAN, AND CYBERNETICS PART B: CYBERNETICS (04/1998)						
EXAMINER		DATE CONSIDERED						
<i>Amor J. Kennedy Mivas</i>		9-29-05						
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

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Sheet 1 of

FORM PTO-1449	SEP 20 2002 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KAK-004	SERIAL NO. 10/018.571
LIST OF REFERENCES CITED BY APPLICANT <i>(Use several sheets if necessary)</i>		APPLICANT KITANA et al.	FILING DATE 12/20/01
			GROUP 2152 2129

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
OF12	B1	5,140,530	8/92	Guha et al.			

FOREIGN PATENT DOCUMENTS

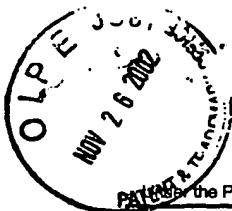
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO PART.
OFIR	B2	2881711	02/99	JAPAN			X
OFIR	B3	WO98/30722	07/98	WIPO			RECEIVED
							SEP 23 2002
							Technology Center 2100

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OF12	B4	T. Yada et al., "Signal Pattern Extraction from DNA Sequences Using Hidden Markov Model and Genetic Algorithm," Transactions of Information Processing Society of Japan, Vol. 37, No. 6, Pages 1117 through 1129, Information Processing Society of Japan (June 1996).
OF12	B5	T. Akutsu et al., "A Learning Theory for Identifying Gene Regulatory Networks," 32 nd Artificial Intelligence Fundamental Theory Study Group Material, pages 37-42, Japanese Society for Artificial Intelligence (March 1998).
OF12	B6	D. Tominaga et al., "Design of Canonical Model Describing Complex Nonlinear Dynamics," Computer Applications in Biotechnology, pages 85-90, IFAC (1998).
OF12	B7	T. Yada et al., "Generation of Hidden Markov Model Describing Complex Motif in DNA Sequences," Transactions of Information Processing Society of Japan, Vol. 40, No. 2, Information Processing Society of Japan (February 1999).
OF12	B8	T. Akutsu, "Inference Algorithm in Gene Networks," Suri-Kagaku (Mathematical and Physical Science, Vol. 37, No. 6 (No. 432), pages 40-46, Science (June 1999).
OF12	B9	H. Kitano, "Trial toward System Biology," Suri-Kagaku (Mathematical and Physical Science, Vol. 37, No. 6 (No. 432), pages 54-60, Science (June 1999).
OF12	B10	T. Akutsu et al., "Inferring Genetic Network Using Linear Programming," Proceedings of the 13 th Annual Conference of JSAI, 1999, pages 328-329, Japanese Society of Artificial Intelligence (June 1999).

EXAMINER	<i>Orson F. Fernando Rivera</i>	DATE CONSIDERED	9-29-05
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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete If Known	
				Application Number	10/018,571
				Filing Date	December 20, 2004
				First Named Inventor	Hiroaki Kitano
				Art Unit	N/A 2129
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	KAK-0004
				RECEIVED NOV 29 2002 Technology Center 2100	

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
OFIL	B1	Noda, K. et al., "Finding Genetic Network From Experiments by Weighted Network Model," Genome Informatics Workshop, Volume 9, Pages 141-140, Japanese Society for Bioinformatics (December 10-11, 1998)			
OFIL	B2	Akutsu et al., "Identification of Genetic Networks From a Small Number of Gene Expression Patterns Under the Boolean Network Model," Proceedings: Pacific Symposium on Biocomputing, Stanford Medical Informatics (January 4-9, 1999)			
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Examiner Signature	Wilson F. Fernandes Almeida	Date Considered	9-29-05
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